

ABSTRACT

An electrostatic spraying device has a removable cartridge with a reservoir containing a volume of liquid compositions to be electrically sprayed. The reservoir is deformable according to inner pressure and configured to provide a removable cartridge. The device includes a dispensing unit for spraying the liquid composition. The dispensing unit includes a nozzle for dispensing the liquid composition and an emitter electrode which charges the liquid composition for electrostatically spraying the liquid composition out through the nozzle. A suction pump is integrated into the dispensing unit in an immediately upstream relation with the reservoir for feeding the liquid composition from the reservoir to the nozzle. Thus, the suction pump can be concentrated together with the emitter electrode and the nozzle into the dispensing unit on one end of the reservoir, enabling to realize the cartridge of a compact design.